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June 08, 2004

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APPLICATION NUMBER: 60/459,776

FILING DATE: April 02, 2003

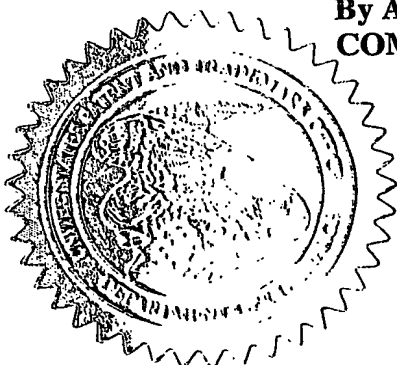
RELATED PCT APPLICATION NUMBER: PCT/US04/10317

REC'D 11 JUN 2004

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60459776-040203

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 Approved for use through 10/31/2002. OMB 0651-0032
 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No.

EU982362459US

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 60459776

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INVENTOR(S)					
Given Name (first and middle [if any])		Family Name or Surname		Residence (City and either State or Foreign Country)	
David Paul		Brisco		Duncan, Oklahoma	
<input type="checkbox"/> Additional inventors are being named on the _____ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (500 characters max)					
PACKER SETTING TOOL					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number		000027684		<div style="border: 1px solid black; padding: 5px;"> Place Customer Number Bar Code Label here </div>	
OR		Type Customer Number here			
<input checked="" type="checkbox"/> Firm or Individual Name		Todd Mattingly			
Address		1000 Louisiana Street			
Address		Suite 4300			
City		Houston	State	TX	ZIP 77002-5012
Country		USA	Telephone	713-547-2301	Fax 713-236-5585
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages		5		<input type="checkbox"/> CD(s), Number	
<input type="checkbox"/> Drawing(s) Number of Sheets				<input checked="" type="checkbox"/> Other (specify)	
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76				Return Receipt Postcard	
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.				FILING FEE AMOUNT (\$)	
<input type="checkbox"/> A check or money order is enclosed to cover the filing fees					
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number:		08-1394		\$160.00	
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____					

Respectfully submitted,

SIGNATURE

TYPED or PRINTED NAME Todd Mattingly

TELEPHONE 713-547-2301

Date 04/02/2003

REGISTRATION NO.
(if appropriate)
Docket Number:

40,298

25791.270

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

EU982362459US
Docket No. 25791.270

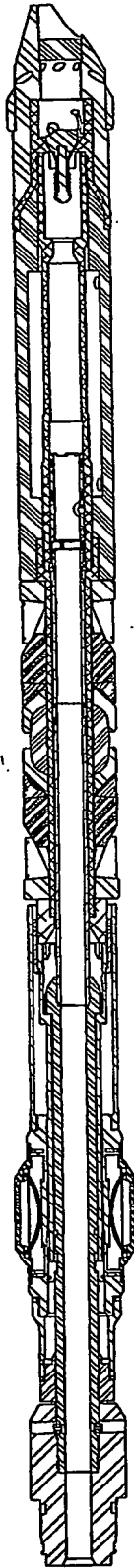
PACKER SETTING TOOL

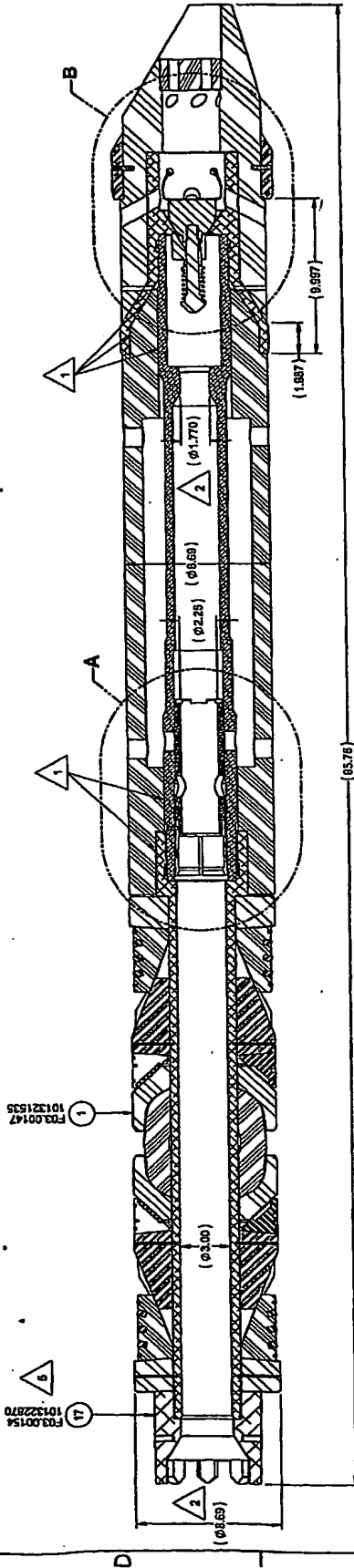
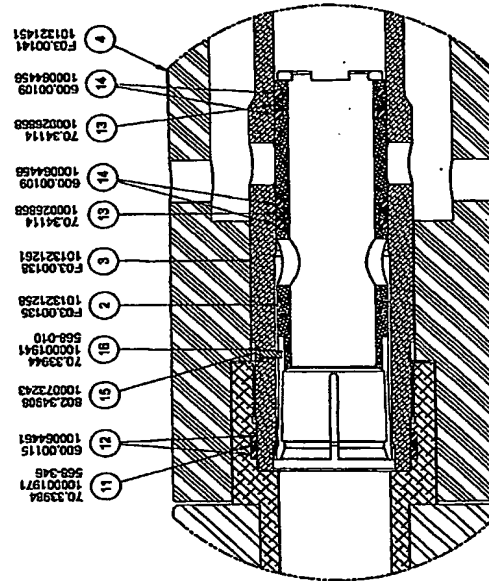
INVENTOR: DAVID BRISCO

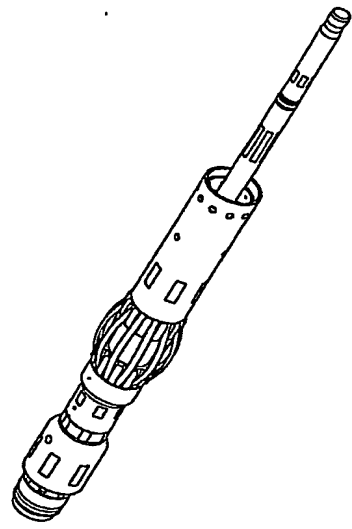
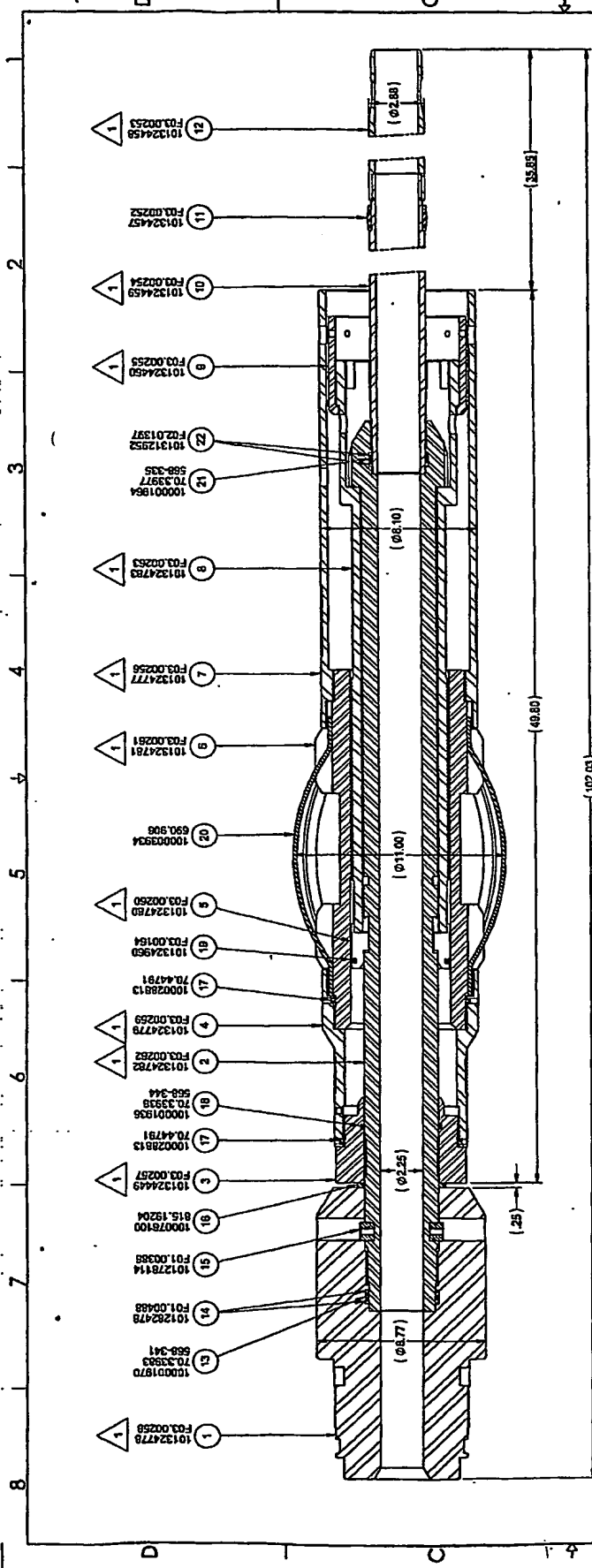
Attached are TIFF images of the composite packer assembly (F03.00115) which we submitted a couple of weeks ago, the drag spring type setting tool (F03.00264), the drag block type setting tool (F03.00268), and a drawing of the packer made up to the drag block setting tool (F03.00166).

To set the packer in casing, the drill pipe, which is connected to the setting tool, is rotated to the right ~25 turns. This moves a sleeve on the setting tool down to push the upper set of packer slips outward until they contact the casing ID. Tension is then applied to the setting tool and the packer mandrel. The packer is connected to the setting tool with shear pins. Tension compresses the packer elements against the upper slips and sets them and the lower slips against the casing ID. The shear pins then shear, releasing the setting tool from the packer assy. An additional 20 turns to the right releases the drag blocks and setting sleeve from the stinger, allowing the stinger to move into the packer assy far enough to manipulate the sliding sleeve valve.

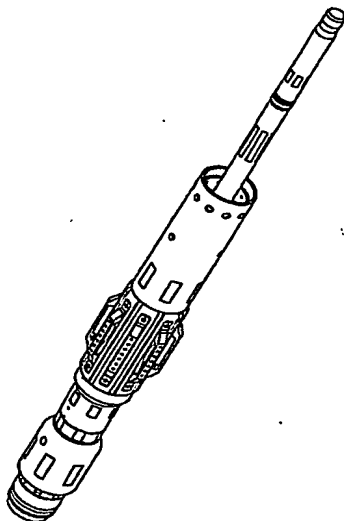
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[illegible]

[illegible]

[illegible]

This technical drawing shows a cross-section of a mechanical assembly. A central shaft is surrounded by a curved component, possibly a spring or a guide. The assembly is secured with various fasteners, including bolts and nuts, and is mounted on a base. The drawing uses hatching to indicate different materials and cross-sections.

[illegible]